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About

Dr. Sohaib Zia Khan is working as Assistant Professor in the Pakistan Navy Engineering College. Dr. Sohaib Zia Khan has published 13 research articles & conference papers having a citation count of 303, carried out 0 projects and filed 0 intellectual property.

Qualifications

Experience

Assistant Professor	2018- Present
Pakistan Navy Engineering College	
Assistant Professor	2016 - 2010
Pakistan Navy Engineering College	
Assistant Professor	2015 - 2016
Pakistan Navy Engineering College	
Assistant Professor	2012 - 2015
Pakistan Navy Engineering College	
Assistant Professor	2010 - 2016
Pakistan Navy Engineering College	
	- Present

Research Articles

Performance and Environmental Sustainability of Fish Waste Biodiesel on Diesel Engines	2025
Mehmood Ali Muhammad Shakaib Syed Asad Ali Zaidi Asad Javed Sohaib Zia Khan Ashraf Aly Hassan Sustainability , Volume 17(12), Article Number 5385	
Impact Factor: 3.300   Quartile: 2	
DOI: <a href="https://doi.org/10.3390/su17125385">https://doi.org/10.3390/su17125385</a>	
Impact of different weight fractions of silica nanoparticles on the surface finish, rheological, and mechanical properties of photopolymer 3D printed nanocomposites using UV lasers	2025
Sohaib Zia Khan Muhammad Asif Syed Asad Ali Zaidi Fitrihan Imaduddin Abdulrahman Aljabri Ahmed A. D. Sarhan Progress in Additive Manufacturing , Pages 1-18	
Impact Factor: 4.400   Quartile: 2	
DOI: <a href="https://doi.org/10.1007/s40964-025-01093-6">https://doi.org/10.1007/s40964-025-01093-6</a>	
Analysis of the performance optimisation parameters of shell and tube heat exchanger using CFD	2021
Umer Zahid Ahmad Hanan Tariq Feroze Sohaib Khan Australian Journal of Mechanical Engineering , Pages 1-14	
Impact Factor: N/A   Citations: 5	
DOI: <a href="https://doi.org/10.1080/14484846.2021.1914890">10.1080/14484846.2021.1914890</a>	
Conceptual design of composite bridge sandwich structure	2021
Hafiz Muhammad Waqas Dongyan Shi Lilly Tong Muhammad Imran Sohaib Zia Khan Shafiq ur Rehman Qureshi Waqas Ahmed Applied Sciences , Volume:11, Issue:1, Page:1-18	
Impact Factor: 2.838   Quartile: 1   Citations: 6	
DOI: <a href="https://doi.org/10.3390/app11010214">https://doi.org/10.3390/app11010214</a>	

<b>Conjoint effect of microwave irradiation and metal nanoparticles on biogas augmentation from anaerobic digestion of green algae</b> <i>Syed Asad Ali Zaidi Feng RuiZhe Adil Malik Sohaib Zia Khan Asad J. Bhutta Yue Shi Kashif Mushtaq International Journal of Hydrogen Energy</i> , Volume 44, Issue 29, Pages 14661-14670 <b>Impact Factor:</b> 4.939   <b>Quartile:</b> 2   <b>Citations:</b> 47 <b>DOI:</b> 10.1016/j.ijhydene.2019.02.245	2019
<b>Conceptual Design of Composite Sandwich Structure Submarine Radome</b> <i>Lili Tong Asad A. Zaidi Javid Iqbal Waqas Ahmed Fazal e Ahad Hafiz Muhammad Waqas Dongyan Shi Muhammad Imran Sohaib Zia Khan Materials</i> , Vol. 12 No.12, Paper No. 1966 <b>Impact Factor:</b> 3.057   <b>Quartile:</b> 2   <b>Citations:</b> 21 <b>DOI:</b> <a href="https://doi.org/10.3390/ma12121966">https://doi.org/10.3390/ma12121966</a>	2019
<b>Combining Microwave Pretreatment with Iron Oxide Nanoparticles Enhanced Biogas and Hydrogen Yield from Green Algae</b> <i>Syed Asad Ali Zaidi Ruizhe Feng Adil Malik Sohaib Zia Khan Yue Shi Asad Javed Ahmer H. Shah Processes</i> , Vol.7, Issue 1, Article No. 24 <b>Impact Factor:</b> 2.753   <b>Quartile:</b> 2   <b>Citations:</b> 75 <b>DOI:</b> <a href="https://doi.org/10.3390/pr7010024">https://doi.org/10.3390/pr7010024</a>	2019
<b>A Projected Finite Element Update Method for Inverse Identification of Material Constitutive Parameters in transversely Isotropic Laminates</b> <i>Muhammad Zeeshan Siddiqui Sohaib Zia Khan Muhammad Ali Khan Kamran Ahmed Khan Majid Shahzad Salman Nisar Danish Noman Experimental Mechanics</i> , Volume 57, Issue 5, Pages 755-772 <b>Impact Factor:</b> 2.319   <b>Quartile:</b> 2   <b>Citations:</b> 11 <b>DOI:</b> <a href="https://doi.org/10.1007/s11340-017-0269-z">https://doi.org/10.1007/s11340-017-0269-z</a>	2017
<b>Micromechanical modeling of 8-harness satin weave glass fiber-reinforced composites</b> <i>Rizwan Saeed Choudhry Kamran A Khan Sohaib Zia Khan Muhammad Ali Khan Journal of Composite Materials</i> , Volume 51, Issue 5, Pages 705-720 <b>Impact Factor:</b> 1.613   <b>Quartile:</b> 2   <b>Citations:</b> 36 <b>DOI:</b> DOI:10.1177/0021998316649782	2017
<b>Reducing machining distortion in AA 6061 alloy through re-heating technique</b> <i>Abdul Rafeeq Khan Salman Nisar Syed Aqueel shah Muhammad Ali Khan Sohaib Zia Khan M. A. Sheikh Materials Science and Technology</i> , Volume 33, Issue 6, Pages 731-737 <b>Impact Factor:</b> 1.803   <b>Quartile:</b> 2   <b>Citations:</b> 21 <b>DOI:</b> 10.1080/02670836.2016.1243335	2017
<b>Comparison of ANN and Finite Element Model for the Prediction of Thermal Stresses in Diode Laser Cutting of Float Glass</b> <i>Muhammad Bilal Kadri Salman Nisar Sohaib Zia Khan Waqar Ahmad Khan Optik - International Journal for Light and Electron Optics</i> , Volume 126, Issue 19, Pages 1959-1964 <b>Impact Factor:</b> 0.742   <b>Quartile:</b> 4   <b>Citations:</b> 14 <b>DOI:</b> doi:10.1016/j.ijleo.2015.05.033	2015
<b>Mechanical fatigue in aluminium at elevated temperature and remaining life prediction based on natural frequency evolution</b> <i>Muhammad Ali Khan W. Sohail M. Sohaib Sohaib Zia Khan H. Khan Salman Nisar Fatigue &amp; Fracture of Engineering Materials &amp; Structures</i> , Volume 38, Issue 8, Pages: 897-903 <b>Impact Factor:</b> 1.838   <b>Quartile:</b> 1   <b>Citations:</b> 29 <b>DOI:</b> DOI: 10.1111/ffe.12287	2015